COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR QUALITY

FOR OFFICIAL USE ONLY
Title V OP Number:_____
Reviewed by:_____
Date:_____

TITLE V PERMIT APPLICATION

Section 1 - General Information

1.1 Application Type

Type of permit for which application is made: (Check one)

☐ Initial
☒ Renewal Operating Permit No. 63-00016
☐ Application Revision - provide date of original Title V Application or OP Number: _____

1.2 Plant Information

Federal Tax ID/Plant Code: 23-3020481-2 **Firm Name:** ALLEGHENY ENERGY SUPPLY CO/MITCHELL POWER STA

SIC Code: 4911 **Plant Name:** MITCHELL POWER STA

Description of SIC: Trans. & Utilities - Electric Services

County: Washington **Municipality** Monongahela

UTM Zone: 17 **UTM North:** 4452.62 **UTM East:** 587.74

Method of Obtaining UTM: Unknown

1.3 Contact Information

Name: BETHANY J MILLER **Title:** Engineer, Environmental Performance

Address: 800 CABIN HILL DR
GREENSBURG, PA 15601-1650

Telephone Number: (724) 838-6133

1.4 Certification of Truth, Accuracy and Completeness

Note: This certification must be signed by a responsible official. Applications without a signed certification will be returned as incomplete.

I certify under penalty of law that, based on information and belief formed after reasonable inquiry, the statements and information contained in this application are true, accurate, and complete.

(Signed) _____ **Date:** 9/28/06

Name (Typed): Leo C. Rajter **Title:** Vice President, Supply Operations

Section 3 – Site Inventory

Give a complete list of all air pollution sources, control equipment, emission points, and fuel material locations within this site.

For renewals, only list sources not included in the current Title V Operating Permit or sources which are now subject to Compliance Assurance Monitoring (CAM) requirements of 40 CFR Part 64. If a list of sources included in the current Title V Operating Permit is provided below, correct and/or add any new sources as necessary. Note: one (1) of the following sections (5,6 or 7) of the application must be completed for each new source listed here.

Unit ID	Company Designation	Unit Type	CAM (x)
031	B & W Oil Unit	Combustion Unit	
032	B & W Oil Unit	Combustion Unit	
033	B & W Oil Unit	Combustion Unit	
034	Mitchell Unit 3 (Boiler 33)	Combustion Unit	X
035	Auxiliary Boiler 1	Combustion Unit	
036	Auxiliary Boiler 2	Combustion Unit	
104	23 Kerosene Fired Space Heaters	Combustion Unit	
101	Emergency Diesel Generator	Process	
102	Facility Fugitive Dust Emissions	Process	
103	No.2 Fuel Oil Storage Tanks	Process	
105	Waste Water Treatment System	Process	
110	Lime Silo 1 (3sl1)	Process	
111	Lime Silo 2 (3sl2)	Process	
112	Lime Silo 3 (3sl3)	Process	
113	Lime Roll Crusher	Process	
114	Barge Unloading Area	Process	
115	Vacuum Conveying System	Process	
C01	Buell Eng. Co-Esp	Control Device	
C02	American Standard Esp	Control Device	
C03	Chemico Fgd System	Control Device	
C07	Main Fly Ash Silo Baghouse	Control Device	
C08	Swp Flyash Silo Baghouse	Control Device	
C09	Lime Silo Baghouse	Control Device	
C10	Silo 1 Baghouse (3dc1)	Control Device	
C11	Silo 2 Baghouse (3dc2)	Control Device	
C12	Silo 3 Baghouse (3dc3)	Control Device	
C13	Lime Crusher Baghouse (3dc4)	Control Device	
C14	Barge Unloading Area Baghouse (3dc5)	Control Device	
C15	Vacuum Conveying System Baghouse	Control Device	
S01	Boiler 1 Stack	Point of Air Emission	
S02	Boiler 2 Stack	Point of Air Emission	
S03	Boiler 3 Stack	Point of Air Emission	
S04	Boiler 4 Stack	Point of Air Emission	
S05	Aux Boilers Stack	Point of Air Emission	
S06	Emergency Diesel Generator Stack	Point of Air Emission	
S10	Silo 1 Baghouse Stack	Point of Air Emission	
S11	Silo 2 Baghouse Stack	Point of Air Emission	
S12	Silo 3 Baghouse Stack	Point of Air Emission	
S13	Crusher Baghouse Stack	Point of Air Emission	
S14	Barge Area Baghouse Stack	Point of Air Emission	

Section 4 - Source Group (Optional)

4.1 Source Group Definition

Define groups of source(s) that are subject to one or more applicable requirements that apply to all source(s) in the group.

For renewals, only list group level requirements not included in the current Title V Operating Permit. If a list of source groups included in the current Title V Operating Permit is provided below, correct and/or add any new source groups as necessary. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Group No.	Source ID (for source(s) in this group)
G01	031, 032, 033
G02	110, 111, 112, 113, 114, 115
G03	110, 111, 112
G04	031, 032, 033, 034
G05	035, 036

4.2 Applicable Requirements for Source Groups

For renewals, only list group level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Describe and cite all applicable requirements pertaining to all source groups.

Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

Group Number	Citation Number	Citation Limitation	Limitation Used

5.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence
#2 Oil	1-01-005-01	6,099.00 Th Gal/hr	
Natural Gas	1-01-006-01	841.00 MMCF/hr	

5.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

SCC/Fuel Burned	FML	% Sulfur	% Ash	BTU Content (Units)

*FML = Fuel Material Location

5.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 5.1 of the application.

Maximum amount of hours of source operation per year: _____

Fuel/SCC	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time

Section 5 - Combustion Operational Inventory

(Complete this section for each combustion source in this site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new combustion unit listed in Section 3 of this application.

5.1 General Source Information

a. Unit ID: 032 b. Company Designation: B & W OIL UNIT

c. Plan Approval or Operating Permit Number:

d. Manufacturer: BABCOCK & WILCOX e. Model Number:

f. Source Description: Combustion Unit

g. Rated Heat Input/Thruput: 841 mmBtu/hr h. Installation Date: 02/01/1949

i. Exhaust Temperature 375 Units deg F j. Exhaust % Moisture 2 k. Exhaust Flow Volume: 149,289 SCFM

5.2 CAM Information

Yes	No	
☐	☒	Emissions unit uses a control device to achieve compliance
☐	☒	Potential precontrol emissions of applicable pollutant are at least 100 percent of major source amount.

(Addendum 3 must be completed if both boxes are checked "Yes")

5.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow
032	Combustion Unit	S02	Point of Air Emission	100

5.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.

Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Fuel/SCC	Citation Number	Citation Limitation	Limitation Used

5.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence
#2 Oil	1-01-005-01	6,099.00 Th Gal/hr	
Natural Gas	1-01-006-01	841.00 MMCF/hr	

5.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

SCC/Fuel Burned	FML	% Sulfur	% Ash	BTU Content (Units)

*FML = Fuel Material Location

5.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 5.1 of the application.

Maximum amount of hours of source operation per year: _____

Fuel/SCC	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time

Section 5 - Combustion Operational Inventory

(Complete this section for each combustion source in this site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new combustion unit listed in Section 3 of this application.

5.1 General Source Information

a. Unit ID: 034 b. Company Designation: MITCHELL UNIT 3 (BOILER 33)

c. Plan Approval or Operating Permit Number:

d. Manufacturer: COMBUSTION ENGINEERING e. Model Number:

f. Source Description: Combustion Unit

g. Rated Heat Input/Thruput: 2988 mmBtu/hr h. Installation Date: 09/01/1963

i. Exhaust Temperature 300 Units deg F j. Exhaust % Moisture 2 k. Exhaust Flow Volume: 751,763 SCFM

5.2 CAM Information

Yes	No	
☒	☐	Emissions unit uses a control device to achieve compliance
☒	☐	Potential precontrol emissions of applicable pollutant are at least 100 percent of major source amount.

(Addendum 3 must be completed if both boxes are checked "Yes")

5.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow
034	Combustion Unit	C01	Control Device	100
C01	Control Device	C02	Control Device	100
C02	Control Device	C03	Control Device	100
C03	Control Device	S04	Point of Air Emission	100

5.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.

Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Fuel/SCC	Citation Number	Citation Limitation	Limitation Used

5.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence
Natural Gas	1-01-006-04	25.57 MMCF/hr	
#2 Oil	1-01-005-01	185.00 Th Gal/hr	

5.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

SCC/Fuel Burned	FML	% Sulfur	% Ash	BTU Content (Units)

*FML = Fuel Material Location

5.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 5.1 of the application.

Maximum amount of hours of source operation per year: _____

Fuel/SCC	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time

Section 5 - Combustion Operational Inventory

(Complete this section for each combustion source in this site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new combustion unit listed in Section 3 of this application.

5.1 General Source Information

a. Unit ID: 036 b. Company Designation: AUXILIARY BOILER 2

c. Plan Approval or Operating Permit Number:

d. Manufacturer: JOHNSON BOILER COMPANY e. Model Number: PFTA800-4

f. Source Description: Combustion Unit

g. Rated Heat Input/Thruput: 27 mmBtu/hr h. Installation Date:

i. Exhaust Temperature 385 Units deg F j. Exhaust % Moisture 12 k. Exhaust Flow Volume: 6,330 SCFM

5.2 CAM Information

Yes	No	
☐	☒	Emissions unit uses a control device to achieve compliance
☐	☒	Potential precontrol emissions of applicable pollutant are at least 100 percent of major source amount.

(Addendum 3 must be completed if both boxes are checked "Yes")

5.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow
036	Combustion Unit	S05	Point of Air Emission	100

5.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.

Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Fuel/SCC	Citation Number	Citation Limitation	Limitation Used

5.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence

5.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

SCC/Fuel Burned	FML	% Sulfur	% Ash	BTU Content (Units)

*FML = Fuel Material Location

5.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 5.1 of the application.

Maximum amount of hours of source operation per year: _____

Fuel/SCC	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time

Section 5 - Combustion Operational Inventory

(Complete this section for each combustion source in this site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new combustion unit listed in Section 3 of this application.

5.1 General Source Information

a. Unit ID: _____ b. Company Designation: _____

c. Plan Approval or Operating Permit Number: _____

d. Manufacturer: _____ e. Model Number: _____

f. Source Description: _____

g. Rated Heat Input/Thruput: _____ h. Installation Date: _____

i. Exhaust Temperature _____ Units _____ j. Exhaust % Moisture _____ k. Exhaust Flow Volume: _____ SCFM

5.2 CAM Information

Yes	No	
☐	☐	Emissions unit uses a control device to achieve compliance
☐	☐	Potential precontrol emissions of applicable pollutant are at least 100 percent of major source amount.

(Addendum 3 must be completed if both boxes are checked "Yes")

5.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow

5.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.

Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☐ No changes from current Title V Operating Permit.

Fuel/SCC	Citation Number	Citation Limitation	Limitation Used

6.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence

6.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

SCC/Fuel Burned	FML	% Sulfur	% Ash	BTU Content (Units)

*FML = Fuel Material Location

6.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 6.1 of this application.

Maximum amount of hours of source operation per year: _____

Fuel/Waste	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time

Section 7 - Process Operational Inventory

(Complete this section for each process at this site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new process listed in Section 3 of this application.

7.1 General Source Information

a. Unit ID: 101 b. Company Designation: EMERGENCY DIESEL GENERATOR

c. Plan Approval or Operating Permit Number:

d. Manufacturer: CATERPILLAR e. Model Number: D398 SERIES B

f. Source Description: Process

g. Rated Heat Input/Thruput: h. Installation Date: 01/01/1968

i. Exhaust Temperature: 300 Units: deg F j. Exhaust % Moisture: 5 k. Exhaust Flow Volume: 9,938 SCFM

7.2 CAM Information

Yes	No	
☐	☒	Emissions unit uses a control device to achieve compliance with emission limitations or standards.
☐	☒	Potential precontrol emissions of applicable pollutant are at least 100 percent of the major source amount.

(Addendum 3 must be completed if both are checked "Yes")

7.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow
101	Process	S06	Point of Air Emission	100

7.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.
Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Fuel/Product	Citation Number	Citation Limitation	Limitation Used

7.8 Raw Materials

List all of the raw materials used in this process to the extent that this information is needed to determine or regulate emissions.

7.9 Processing Steps

To the extent that this information is needed to determine or regulate emissions, list all of the processing steps and raw materials for each step utilized to complete the material or product.

Step	Description	Raw Materials

7.10 Request for Confidentiality

Do you request that the information on this page be considered kept confidential?

☐ Yes ☒ No

If yes, include a justification for confidentiality that meets the requirement of 25 Pa. Code § 127.411(d).

7.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence

7.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

SCC/Fuel Burned	FML	% Sulfur	% Ash	BTU Content (Units)

*FML = Fuel Material Location

7.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 7.3 of this application.

Maximum amount of hours of source operation per year: _____

Fuel	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time

Section 7 - Process Operational Inventory

(Complete this section for each process at this site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new process listed in Section 3 of this application.

7.1 General Source Information

a. Unit ID: 103 b. Company Designation: NO.2 FUEL OIL STORAGE TANKS

c. Plan Approval or Operating Permit Number:

d. Manufacturer: N/A e. Model Number: N/A

f. Source Description: Process

g. Rated Heat Input/Thruput: h. Installation Date:

i. Exhaust Temperature Units j. Exhaust % Moisture k. Exhaust Flow Volume: SCFM

7.2 CAM Information

Yes	No	
☐	☒	Emissions unit uses a control device to achieve compliance with emission limitations or standards.
☐	☒	Potential precontrol emissions of applicable pollutant are at least 100 percent of the major source amount.

(Addendum 3 must be completed if both are checked "Yes")

7.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow
103	Process	Z03	Point of Air Emission	100

7.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.
Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Fuel/Product	Citation Number	Citation Limitation	Limitation Used

7.8 Raw Materials

List all of the raw materials used in this process to the extent that this information is needed to determine or regulate emissions.

7.9 Processing Steps

To the extent that this information is needed to determine or regulate emissions, list all of the processing steps and raw materials for each step utilized to complete the material or product.

Step	Description	Raw Materials

7.10 Request for Confidentiality

Do you request that the information on this page be considered kept confidential?

☐ Yes ☒ No

If yes, include a justification for confidentiality that meets the requirement of 25 Pa. Code § 127.411(d).

7.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence
	5-03-008-01	100.00 Th Gal/hr	

7.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

SCC/Fuel Burned	FML	% Sulfur	% Ash	BTU Content (Units)

*FML = Fuel Material Location

7.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 7.3 of this application.

Maximum amount of hours of source operation per year:

Fuel	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time

Section 7 - Process Operational Inventory

(Complete this section for each process at this site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new process listed in Section 3 of this application.

7.1 General Source Information

a. Unit ID: 110 b. Company Designation: LIME SILO 1 (3SL1)

c. Plan Approval or Operating Permit Number:

d. Manufacturer: e. Model Number:

f. Source Description: Process

g. Rated Heat Input/Thruput: h. Installation Date: 06/23/2000

i. Exhaust Temperature 70 Units deg F j. Exhaust % Moisture 0 k. Exhaust Flow Volume: 1,000 SCFM

7.2 CAM Information

Yes	No	
☒	☐	Emissions unit uses a control device to achieve compliance with emission limitations or standards.
☐	☒	Potential precontrol emissions of applicable pollutant are at least 100 percent of the major source amount.

(Addendum 3 must be completed if both are checked "Yes")

7.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow
110	Process	C10	Control Device	100
C10	Control Device	S10	Point of Air Emission	100

7.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.
Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Fuel/Product	Citation Number	Citation Limitation	Limitation Used

7.8 Raw Materials

List all of the raw materials used in this process to the extent that this information is needed to determine or regulate emissions.

7.9 Processing Steps

To the extent that this information is needed to determine or regulate emissions, list all of the processing steps and raw materials for each step utilized to complete the material or product.

Step	Description	Raw Materials

7.10 Request for Confidentiality

Do you request that the information on this page be considered kept confidential?

☐ Yes ☒ No

If yes, include a justification for confidentiality that meets the requirement of 25 Pa. Code § 127.411(d).

7.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence
LIME	3-05-888-01	200.00 Tons/hr	

7.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

SCC/Fuel Burned	FML	% Sulfur	% Ash	BTU Content (Units)

*FML = Fuel Material Location

7.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 7.3 of this application.

Maximum amount of hours of source operation per year:

Fuel	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time

Section 7 - Process Operational Inventory

(Complete this section for each process at this site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new process listed in Section 3 of this application.

7.1 General Source Information

a. Unit ID: 112 b. Company Designation: LIME SILO 3 (3SL3)

c. Plan Approval or Operating Permit Number:

d. Manufacturer: e. Model Number:

f. Source Description: Process

g. Rated Heat Input/Thruput: h. Installation Date: 06/23/2000

i. Exhaust Temperature 70 Units deg F j. Exhaust % Moisture 0 k. Exhaust Flow Volume: 1,000 SCFM

7.2 CAM Information

Yes	No	
☒	☐	Emissions unit uses a control device to achieve compliance with emission limitations or standards.
☐	☒	Potential precontrol emissions of applicable pollutant are at least 100 percent of the major source amount.

(Addendum 3 must be completed if both are checked "Yes")

7.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow
112	Process	C12	Control Device	100
C12	Control Device	S12	Point of Air Emission	100

7.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.
Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Fuel/Product	Citation Number	Citation Limitation	Limitation Used

7.8 Raw Materials

List all of the raw materials used in this process to the extent that this information is needed to determine or regulate emissions.

7.9 Processing Steps

To the extent that this information is needed to determine or regulate emissions, list all of the processing steps and raw materials for each step utilized to complete the material or product.

Step	Description	Raw Materials

7.10 Request for Confidentiality

Do you request that the information on this page be considered kept confidential?

☐ Yes ☒ No

If yes, include a justification for confidentiality that meets the requirement of 25 Pa. Code § 127.411(d).

7.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence
LIME	3-05-888-01	230.00 Tons/hr	

7.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

SCC/Fuel Burned	FML	% Sulfur	% Ash	BTU Content (Units)

*FML = Fuel Material Location

7.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 7.3 of this application.

Maximum amount of hours of source operation per year:

Fuel	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time

Section 7 - Process Operational Inventory

(Complete this section for each process at this site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new process listed in Section 3 of this application.

7.1 General Source Information

a. Unit ID: 114 b. Company Designation: BARGE UNLOADING AREA

c. Plan Approval or Operating Permit Number:

d. Manufacturer: e. Model Number:

f. Source Description: Process

g. Rated Heat Input/Thruput: h. Installation Date: 06/23/2000

i. Exhaust Temperature 70 Units deg F j. Exhaust % Moisture 0 k. Exhaust Flow Volume: 1,550 SCFM

7.2 CAM Information

Yes	No	
☒	☐	Emissions unit uses a control device to achieve compliance with emission limitations or standards.
☐	☒	Potential precontrol emissions of applicable pollutant are at least 100 percent of the major source amount.

(Addendum 3 must be completed if both are checked "Yes")

7.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow
114	Process	C14	Control Device	100
C14	Control Device	S14	Point of Air Emission	100

7.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.
Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☒ No changes from current Title V Operating Permit.

Fuel/Product	Citation Number	Citation Limitation	Limitation Used

7.8 Raw Materials

List all of the raw materials used in this process to the extent that this information is needed to determine or regulate emissions.

7.9 Processing Steps

To the extent that this information is needed to determine or regulate emissions, list all of the processing steps and raw materials for each step utilized to complete the material or product.

Step	Description	Raw Materials

7.10 Request for Confidentiality

Do you request that the information on this page be considered kept confidential?

☐ Yes ☒ No

If yes, include a justification for confidentiality that meets the requirement of 25 Pa. Code § 127.411(d).

7.4 Source Classification Code (SCC) Listing for Standard Operation

Fuel/Material	Associated SCC	Max Throughput Rate	Firing Sequence
LIME	3-05-888-01	230.00 Tons/hr	

7.5 Maximum Fuel Physical Characteristics

If taking limitations on Fuel Physical Characteristics, see instructions.

SCC/Fuel Burned	FML	% Sulfur	% Ash	BTU Content (Units)

*FML = Fuel Material Location

7.6 Limitations on Source Operation

Complete this section if you are requesting a limitation on operational hours and/or a permit limitation on the throughput rate equal to or lower than that stated in Section 7.3 of this application.

Maximum amount of hours of source operation per year: _____

Fuel	Hours/Day	Days/Week	Days/Year	Hours/Year	Max Thruput	Units/Time

Section 7 - Process Operational Inventory

(Complete this section for each process at this site. Duplicate this section as needed).

For renewals, review and correct any pre-printed information and add additional sections for any new process listed in Section 3 of this application.

7.1 General Source Information

a. Unit ID: _____ b. Company Designation: _____

c. Plan Approval or Operating Permit Number: _____

d. Manufacturer: _____ e. Model Number: _____

f. Source Description: _____

g. Rated Heat Input/Thruput: _____ h. Installation Date: _____

i. Exhaust Temperature _____ Units _____ j. Exhaust % Moisture _____ k. Exhaust Flow Volume: _____ SCFM

7.2 CAM Information

Yes	No	
☐	☐	Emissions unit uses a control device to achieve compliance with emission limitations or standards.
☐	☐	Potential precontrol emissions of applicable pollutant are at least 100 percent of the major source amount.

(Addendum 3 must be completed if both are checked "Yes")

7.3 Exhaust System Components

Explain how the exhaust components are configured:

From Unit	Unit Description	To Unit	Unit Description	Percent Flow

7.7 Source Applicable Requirements

Describe and cite all applicable requirements pertaining to this source.
Note: A Method of Compliance Worksheet (Addendum 1) must be completed for each requirement listed.

For renewals, only list source level requirements not included in the current Title V Operating Permit. If there are no changes, check the box to the right.

☐ No changes from current Title V Operating Permit.

Fuel/Product	Citation Number	Citation Limitation	Limitation Used

7.8 Raw Materials

List all of the raw materials used in this process to the extent that this information is needed to determine or regulate emissions.

7.9 Processing Steps

To the extent that this information is needed to determine or regulate emissions, list all of the processing steps and raw materials for each step utilized to complete the material or product.

Step	Description	Raw Materials

7.10 Request for Confidentiality

Do you request that the information on this page be considered kept confidential?

☐ Yes ☐ No

If yes, include a justification for confidentiality that meets the requirement of 25 Pa. Code § 127.411(d).

Vanadium	ELV	94 %	No data available - PM10/TSP value used
Beryllium	ELBE	94 %	No data available - PM10/TSP value used
Anthracene	CC24	94 %	No data available - PM10/TSP value used
Benzo(k)fluoranthene	CC27	94 %	No data available - PM10/TSP value used
Benzo(g,h,i)perylene	CC28	94 %	No data available - PM10/TSP value used
Benzo(a)pyrene	CC29	94 %	No data available - PM10/TSP value used
Chrysene	CC35	94 %	No data available - PM10/TSP value used
Dibenzo(a,h)anthracene	CC36	94 %	No data available - PM10/TSP value used
Fluoranthene	CC42	94 %	No data available - PM10/TSP value used
Indeno-1,2,3-cd-pyrene	CC44	94 %	No data available - PM10/TSP value used
Phenanthrene	CC47	94 %	No data available - PM10/TSP value used
Pyrene	CC48	94 %	No data available - PM10/TSP value used
3-Methylcholanthrene	CC55	94 %	No data available - PM10/TSP value used
7,12-Dimethylbenz(a)-anthracene	CC56	94 %	No data available - PM10/TSP value used

Vanadium	ELV	91.56 %	No data available - PM10/TSP value used
Beryllium	ELBE	91.56 %	No data available - PM10/TSP value used
Anthracene	CC24	91.56 %	No data available - PM10/TSP value used
Benzo(k)fluoranthene	CC27	91.56 %	No data available - PM10/TSP value used
Benzo(g,h,i)perylene	CC28	91.56 %	No data available - PM10/TSP value used
Benzo(a)pyrene	CC29	91.56 %	No data available - PM10/TSP value used
Chrysene	CC35	91.56 %	No data available - PM10/TSP value used
Dibenzo(a,h)anthracene	CC36	91.56 %	No data available - PM10/TSP value used
Fluoranthene	CC42	91.56 %	No data available - PM10/TSP value used
Indeno-1,2,3-cd-pyrene	CC44	91.56 %	No data available - PM10/TSP value used
Phenanthrene	CC47	91.56 %	No data available - PM10/TSP value used
Pyrene	CC48	91.56 %	No data available - PM10/TSP value used
3-Methylcholanthrene	CC55	91.56 %	No data available - PM10/TSP value used
7,12-Dimethylbenz(a)-anthracene	CC56	91.56 %	No data available - PM10/TSP value used

Section 8 - Control Device Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new control device listed in Section 3 of this application.

8.1 General Control Device Information

a. Unit ID: C07 b. Company Designation: MAIN FLY ASH SILO BAGHOUSE

c. Used by Sources:

d. Type: Baghouse - Unknown Cleaning Mechanism

e. Pressure Drop in H_20: f. Capture Efficiency:

g. Scrubber Flow Rate (GPM):

h. Manufacturer: FLEXKLEEN i. Model Number:

j. Installation Date:

8.2 Control Device Efficiencies for this Control Device :

Pollutant Name	CAS Number	Estimate Control Efficiency	Basis for Efficiency Estimate

Section 8 - Control Device Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new control device listed in Section 3 of this application.

8.1 General Control Device Information

a. Unit ID: C09 b. Company Designation: LIME SILO BAGHOUSE

c. Used by Sources:

d. Type: Baghouse - Unknown Cleaning Mechanism

e. Pressure Drop in H_20: f. Capture Efficiency:

g. Scrubber Flow Rate (GPM):

h. Manufacturer: FLEXKLEEN i. Model Number: 100-3VT-36IIG

j. Installation Date:

8.2 Control Device Efficiencies for this Control Device :

Pollutant Name	CAS Number	Estimate Control Efficiency	Basis for Efficiency Estimate

Section 8 - Control Device Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new control device listed in Section 3 of this application.

8.1 General Control Device Information

a. Unit ID: C11 b. Company Designation: SILO 2 BAGHOUSE (3DC2)

c. Used by Sources: 111

d. Type: Baghouse - Reverse Air Jets

e. Pressure Drop in H_20: 10 f. Capture Efficiency: 100

g. Scrubber Flow Rate (GPM):

h. Manufacturer: SLY INC., C/O NELSON ENGINEERING i. Model Number: CF-2-2

j. Installation Date: 06/23/2000

8.2 Control Device Efficiencies for this Control Device :

Pollutant Name	CAS Number	Estimate Control Efficiency	Basis for Efficiency Estimate
Particulate Matter < 10 Microns	PM10	99.9 %	Rated efficiency: guaranteed minimum

Section 8 - Control Device Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new control device listed in Section 3 of this application.

8.1 General Control Device Information

a. Unit ID: C13 b. Company Designation: LIME CRUSHER BAGHOUSE (3DC4)

c. Used by Sources: 113

d. Type: Baghouse - Reverse Air Jets

e. Pressure Drop in H_20: 10 f. Capture Efficiency: 100

g. Scrubber Flow Rate (GPM):

h. Manufacturer: SLY, INC., C/O NELSON ENGINEERING i. Model Number: CF-2-4

j. Installation Date: 06/23/2000

8.2 Control Device Efficiencies for this Control Device :

Pollutant Name	CAS Number	Estimate Control Efficiency	Basis for Efficiency Estimate
Particulate Matter < 10 Microns	PM10	99.9 %	Rated efficiency: guaranteed minimum

Section 8 - Control Device Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new control device listed in Section 3 of this application.

8.1 General Control Device Information

a. Unit ID: C15 b. Company Designation: VACUUM CONVEYING SYSTEM BAGHOUSE

c. Used by Sources: 115

d. Type: Baghouse - Reverse Air Jets

e. Pressure Drop in H_20: 6 f. Capture Efficiency: 100

g. Scrubber Flow Rate (GPM):

h. Manufacturer: FULLER BULK HANDLING i. Model Number: 85FRC49

j. Installation Date: 06/23/2000

8.2 Control Device Efficiencies for this Control Device :

Pollutant Name	CAS Number	Estimate Control Efficiency	Basis for Efficiency Estimate
Particulate Matter < 10 Microns	PM10	99.9 %	Rated efficiency: guaranteed minimum

Section 9 - Stack/Flue Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new stack/flue listed in Section 3 of this application.

9.1 General Stack/Vent Information

a. Unit ID: S01 b. Company Designation: BOILER 1 STACK

c. Discharge Type: VERTICAL: UNOBSTRUCTED OPENING

d. Diameter (ft): 14 Height (ft): 193 Base Elevation (ft):

e. Exhaust Temperature: 375 deg F Exhaust % Moisture: 2 Exhaust Velocity (m/Sec): 7.92

f. Exhaust Volume: 240,001 ACFM Exhaust Volume: 149,289 SCFM

g. Distance to Nearest Property Line (ft):

h. Weather Cap?: ☐ Yes ☐ No

i. Used by Sources: 031

j. UTM Zone: 17 UTM North: 4452.62 UTM East: 587.74

k. Method of Obtaining UTM:

---

a. Unit ID: S02 b. Company Designation: BOILER 2 STACK

c. Discharge Type: VERTICAL: UNOBSTRUCTED OPENING

d. Diameter (ft): Height (ft): Base Elevation (ft):

e. Exhaust Temperature: 375 deg F Exhaust % Moisture: 2 Exhaust Velocity :

f. Exhaust Volume: 240,001 ACFM Exhaust Volume: 149,289 SCFM

g. Distance to Nearest Property Line (ft):

h. Weather Cap?: ☐ Yes ☐ No

i. Used by Sources: 032

j. UTM Zone: 17 UTM North: 4452.62 UTM East: 587.74

k. Method of Obtaining UTM:

Section 9 - Stack/Flue Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new stack/flue listed in Section 3 of this application.

9.1 General Stack/Vent Information

a. Unit ID: S05 b. Company Designation: AUX BOILERS STACK

c. Discharge Type: VERTICAL: UNOBSTRUCTED OPENING

d. Diameter (ft): 3.5 Height (ft): 150 Base Elevation (ft): 788

e. Exhaust Temperature: 385 deg F Exhaust % Moisture: 18 Exhaust Velocity (m/Sec): 6.98

f. Exhaust Volume: 13,217 ACFM Exhaust Volume: 6,798 SCFM

g. Distance to Nearest Property Line (ft):

h. Weather Cap?: ☐ Yes ☐ No

i. Used by Sources: 035, 036

j. UTM Zone: 17 UTM North: 4452.62 UTM East: 587.74

k. Method of Obtaining UTM:

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a. Unit ID: S06 b. Company Designation: EMERGENCY DIESEL GENERATOR STACK

c. Discharge Type: VERTICAL: WEATHER CAP/SIMILAR OBSTRUCTIN

d. Diameter (ft): Height (ft): Base Elevation (ft):

e. Exhaust Temperature: 120 deg F Exhaust % Moisture: 0 Exhaust Velocity :

f. Exhaust Volume: 1 ACFM Exhaust Volume: 1 SCFM

g. Distance to Nearest Property Line (ft):

h. Weather Cap?: ☐ Yes ☐ No

i. Used by Sources: 101

j. UTM Zone: 17 UTM North: 4452.62 UTM East: 587.74

k. Method of Obtaining UTM:

Section 9 - Stack/Flue Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new stack/flue listed in Section 3 of this application.

9.1 General Stack/Vent Information

a. Unit ID: S12 b. Company Designation: SILO 3 BAGHOUSE STACK

c. Discharge Type: VERTICAL: UNOBSTRUCTED OPENING

d. Diameter (ft): 1 Height (ft): 50 Base Elevation (ft):

e. Exhaust Temperature: 70 deg F Exhaust % Moisture: 0 Exhaust Velocity (m/Sec): 6.47

f. Exhaust Volume: 1,000 ACFM Exhaust Volume: 1,000 SCFM

g. Distance to Nearest Property Line (ft):

h. Weather Cap?: ☐ Yes ☐ No

i. Used by Sources: C12

j. UTM Zone: 17 UTM North: 4452.62 UTM East: 587.74

k. Method of Obtaining UTM:

---

a. Unit ID: S13 b. Company Designation: CRUSHER BAGHOUSE STACK

c. Discharge Type: VERTICAL: UNOBSTRUCTED OPENING

d. Diameter (ft): 1 Height (ft): 50 Base Elevation (ft):

e. Exhaust Temperature: 70 deg F Exhaust % Moisture: 0 Exhaust Velocity (m/Sec): 20.37

f. Exhaust Volume: 3,150 ACFM Exhaust Volume: 3,150 SCFM

g. Distance to Nearest Property Line (ft):

h. Weather Cap?: ☐ Yes ☐ No

i. Used by Sources: C13

j. UTM Zone: 17 UTM North: 4452.62 UTM East: 587.74

k. Method of Obtaining UTM:

Section 9 - Stack/Flue Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new stack/flue listed in Section 3 of this application.

9.1 General Stack/Vent Information

a. Unit ID: Z02 b. Company Designation: FACILITY TOTAL DUST EMISS

c. Discharge Type: FUGITIVE EMISSIONS

d. Diameter (ft): Height (ft): Base Elevation (ft):

e. Exhaust Temperature: 68 deg F Exhaust % Moisture: 0 Exhaust Velocity :

f. Exhaust Volume: 1 ACFM Exhaust Volume: 1 SCFM

g. Distance to Nearest Property Line (ft):

h. Weather Cap?: ☐ Yes ☐ No

i. Used by Sources: 102

j. UTM Zone: 17 UTM North: 4452.62 UTM East: 587.74

k. Method of Obtaining UTM:

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a. Unit ID: Z03 b. Company Designation: FUEL OIL STORAGE

c. Discharge Type: FUGITIVE EMISSIONS

d. Diameter (ft): Height (ft): Base Elevation (ft):

e. Exhaust Temperature: 68 deg F Exhaust % Moisture: 0 Exhaust Velocity :

f. Exhaust Volume: 1 ACFM Exhaust Volume: 1 SCFM

g. Distance to Nearest Property Line (ft):

h. Weather Cap?: ☐ Yes ☐ No

i. Used by Sources: 103

j. UTM Zone: 17 UTM North: 4452.62 UTM East: 587.74

k. Method of Obtaining UTM:

Section 9 - Stack/Flue Information (duplicate this section as needed)

For renewals, review and correct any pre-printed information and add additional sections for any new stack/flue listed in Section 3 of this application.

9.1 General Stack/Vent Information

a. Unit ID: _____ b. Company Designation: _____

c. Discharge Type: _____

d. Diameter (ft): _____ Height (ft): _____ Base Elevation (ft): _____

e. Exhaust Temperature: _____ Exhaust % Moisture: _____ Exhaust Velocity : _____

f. Exhaust Volume: _____ ACFM Exhaust Volume: _____ SCFM

g. Distance to Nearest Property Line (ft): _____

h. Weather Cap?: ☐ Yes ☐ No

i. Used by Sources: _____

j. UTM Zone: _____ UTM North: _____ UTM East: _____

k. Method of Obtaining UTM: _____

---

a. Unit ID: _____ b. Company Designation: _____

c. Discharge Type: _____

d. Diameter (ft): _____ Height (ft): _____ Base Elevation (ft): _____

e. Exhaust Temperature: _____ Exhaust % Moisture: _____ Exhaust Velocity : _____

f. Exhaust Volume: _____ ACFM Exhaust Volume: _____ SCFM

g. Distance to Nearest Property Line (ft): _____

h. Weather Cap?: ☐ Yes ☐ No

i. Used by Sources: _____

j. UTM Zone: _____ UTM North: _____ UTM East: _____

k. Method of Obtaining UTM: _____

Section 11 - Compliance Plan for the Facility

		Yes	No
11.1	Will your facility be in compliance with all applicable requirements at the time of permit issuance and continue to comply with these requirements during the permit duration?	☒	☐
11.2	Will your facility be in compliance with all applicable requirements presently scheduled to take effect during the term of the permit?	☒	☐
11.3	Will these requirements be met by the regulatory required dates?	☒	☐

If you checked "NO" in part 11.1, 11.2 or 11.3, answer the following questions:

11.4 Identify applicable requirement(s) for which compliance is not or will not be achieved:

Source ID Number	Citation Number

11.4.2 Briefly describe how compliance with this/these applicable requirement(s) will be achieved:

Section 12 – Alternative Operating Scenario (optional)

(Duplicate this section for each source participated in this alternative scenarios)

12.1 General Information

a. Alternative Operating Scenario Name or ID No.: _____

b. Source ID No.: _____ c. Source Name: _____

d. Source Type (check one): ☐ Combustion ☐ Incinerator ☐ Process

e. Give a brief description of this alternative scenario stating how it is different from the standard operation:

12.2 Operational Flexibility Request

Check all that apply.

☐ Alternative exhaust system component configuration.
If this box is checked, complete Sections 12.3 and 12.7

☐ Alternative type of fuel usage replacing or in addition to an existing fuel in standard operation.
If this box is checked, complete Sections 12.4 and/or 12.5 and 12.7

☐ Alternative process method replacing or in addition to a process SCC existing in standard operation.
If this box is checked, complete Section 12.6 and 12.7

12.3 Exhaust System Components

Specify the complete exhaust system component configuration for this alternative operating scenario.

From Component Type	From Component Number	To Component Type	To Component Number	Percent Flow	Begin Date	End Date

12.7 Source Potential to Emit

Give Potential Emission estimate for all air pollutants emitted at this source for this operating scenario.

Pollutant or CAS Number	Fuel	Emission/Activity Allowable per Unit	Calc. Method	Max. Capacity	Total Hours	Emission in TPY